

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A concrete formwork ~~panel~~ comprising:
a plurality of panels, said panels connected together to form a concrete formwork, each said panel comprising:
 - a high-density polyethylene plastic core;
 - a steel facing layer attached to said plastic core;
 - a metal backing layer attached to said plastic core;
 - said panel being thicker than 7 millimeters (mm).
2. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein each said panel ranges from 9 mm to 15 mm thick.
3. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein each said panel is 12 mm thick.
4. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein each said panel has a density such that a panel that is 8 feet (2.43 meters) by 2 feet (0.6 meters) weighs 77 pounds or less.
5. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein each said metal backing layer is steel.
6. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein in each said panel one of said steel facing layer and said metal backing layer is made of 0.009 inch (0.23 mm) steel.
7. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein in each said panel one of said steel facing layer and said metal backing layer is made of 0.013 inch (0.33 mm) steel.

8. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein in each said panel one of said steel facing layer and said metal backing layer is made of 0.019 inch (0.48 mm) steel.

9. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein in each said panel said metal backing layer is aluminum.

10. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein said plastic is foam plastic.

11. (Currently amended) A concrete formwork ~~panel~~ as in claim 10 wherein said foam plastic is 40% to 70% gas, by volume.

12. (Currently amended) A concrete formwork ~~panel~~ as in claim 10 wherein said foam plastic is 50% to 70% gas, by volume.

Claim 13 (Canceled)

14. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein each said panel is bent to form a flange and said panels are connected at said flange.

15. (Currently amended) A concrete formwork ~~panel~~ as in claim 14 wherein each said flange has openings formed in it.

16. (Currently amended) A concrete formwork ~~panel~~ as in claim 14 wherein each said panel is notched at said bend.

17. (Currently amended) A concrete formwork ~~panel~~ as in claim 16 wherein each said bend is a 90° bend.

18. (Currently amended) A concrete formwork ~~panel~~ as in claim 14 wherein each said panel includes a panel end, said panel is bent twice to form a first bend and a second bend, said second bend being made closer, measured along the length of said panel, to said panel end than said first bend, said second bend being substantially 180° so that said panel is bent back on itself to form a double-thick flange comprising a first portion of said panel extending from said first bend to said second bend and a second portion of said panel extending from said second bend to said panel end.

19. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein each said panel is bent into a hollow columnar form.

20. (Currently amended) A concrete formwork ~~panel~~ as in claim 19 wherein said columnar form is cylindrical.

Claim 21 (Canceled)

22. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein in at least one of said panels' said facing has a recessed or raised portion forming a design to be impressed in concrete.

23. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein each said panel ~~and further including~~ includes a strengthening rib attached to said metal backing layer.

24. (Currently amended) A concrete formwork ~~panel~~ as in claim 23 wherein said strengthening rib includes a handhold portion adapted to be graspable by a human hand.

25. (Currently amended) A concrete formwork ~~panel~~ as in claim 1 wherein in each said panel said facing and said backing are attached to said plastic with adhesive.

26. (Currently amended) A concrete formwork system ~~comprising a plurality of concrete formwork panels~~ as in claim 1 and further comprising a plurality of fasteners fastening said plurality of panels together.

27. (Currently amended) A concrete formwork system as in claim 26 and further comprising a support framework adjacent said backing of at least one of said panels.

28. (Original) A concrete formwork system as in claim 27 wherein said framework comprises steel frame members.

Claims 29 – 38 (Canceled)

39. (Currently amended) A concrete formwork ~~panel~~ comprising:
a plurality of panels, each said panel having a flange, said panels connected together at said flanges to form a concrete formwork, each said panel comprising:

a foam plastic core;

a metal facing layer attached to said plastic core;

a metal backing layer attached to said plastic core;

wherein said foam plastic is ~~32%~~ 30% to 70% gas, by volume.

40. (Currently amended) A concrete formwork ~~panel~~ as in claim 39 wherein said foam plastic is 40% to 70% gas, by volume.

41. (Currently amended) A concrete formwork ~~panel~~ as in claim 39 wherein said foam plastic is 50% to 70% gas, by volume.

42. (Currently amended) A concrete formwork ~~panel~~ as in claim 39 wherein said plastic is high-density polyethylene.